



## PATENT ABSTRACTS OF JAPAN

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YAMASHITA TORU**(54) **CHROMANE DERIVATIVE AND MEDICINE FOR  
TREATING CARDIAC INSUFFICIENCY**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new compound useful as a cardiac insufficiency- treating agent.

SOLUTION: This compound is expressed by formula I [R<sup>1</sup> is H, a 1-6C alkyl or the like; R<sup>3</sup> and R<sup>4</sup> are each H, a 1-6C alkyl or the like; R<sup>5</sup> and R<sup>6</sup> together form a bond or an epoxy group; (n) is 0-4; X is C=O or the like; Y is NR<sup>9</sup> (R<sup>9</sup> is phenyl or the like) or the like; Z is CH<sub>2</sub> or the like; W is a group of formula II or the like], for example, 6-(benzoylamino)-2,2-dimethyl-7-nitro-2H-1-benzopyrane. A compound of formula III which is one of the compound of formula I (X is C=O; Y is NH; Z is a bond) is obtained, for example, by reacting a compound of formula IV with an acid chloride of formula V in the presence of a base or reacting a compound of formula IV with a carboxylic acid in the presence of a condensing agent.

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